

## **CLAIMS**

1. A battery mounting for detachable placement in a device, the battery mounting comprising:
  - a housing for one or more battery cells;
  - a clip having a cammed surface for cooperation with a portion of the device;
  - a lock with a means for applying a force to the clip for locking the battery mounting in place in the device; and
  - at least one power contact for connecting the battery cells to the device;wherein the lock provides a load in the engaging direction of the contacts.
2. A battery mounting as claimed in claim 1, wherein the lock is a screw or clamp applied to the clip.
3. A battery mounting as claimed in claim 1, wherein the clip deflects to allow mounting in the device and the cammed surface acts with the portion of the device to urge the battery mounting into the correct mounted position relative to the device.
4. A battery mounting as claimed in claim 1, wherein the clip is a protrusion with a central support between a first end and a second end of the protrusion, the first end has the cammed surface and engages the portion of the device, the lock acts on the second end of the protrusion, the protrusion is deflectable about the central support.
5. A battery mounting as claimed in claim 1, wherein the battery mounting is mounted slidably within an opening in the device and the battery mounting has

hook means at ends of the battery mounting for location through openings in the device.

6. A battery mounting as claimed in claim 1, wherein the housing and clip are formed of a one piece plastic moulding.
7. A battery mounting as claimed in claim 1, wherein the battery mounting has a logic means with sprung logic contacts for connecting to corresponding contacts on the device.
8. A battery mounting as claimed in claim 7, wherein the logic means is a printed circuit board containing data about the battery cells.
9. A device with a detachable battery mounting, the device comprising:
  - a board with an opening in which the battery mounting is placeable;
  - at least one power contact disposed on the cross-section of the board within the opening; and
  - the battery mounting comprising:
    - a housing for one or more battery cells;
    - a clip having a cammed surface for cooperation with a portion of the board;
    - a lock with a means for applying a force to the clip for locking the battery mounting in place in the opening; and
    - at least one power contact for connecting the battery cells to the at least one power contact on the board; wherein the lock provides a load in the engaging direction of the contacts.
10. A device as claimed in claim 9, wherein the lock is a screw or clamp applied to the clip.

11. A device as claimed in claim 9, wherein the clip deflects to allow mounting in an aperture of the device and the cammed surface acts with the aperture in the device to urge the battery mounting into the correct mounted position relative to the device.
12. A device as claimed in claim 9, wherein the clip is a protrusion with a central support between a first end and a second end of the protrusion, the first end has the cammed surface and engages the aperture in the device, the lock acts on the second end of the protrusion, the protrusion is deflectable about the central support.
13. A device as claimed in claim 9, wherein the battery mounting is mounted slidably within the opening in the device and the battery mounting has hook means at ends of the battery mounting for location through openings in the device.
14. A device as claimed in claim 9, wherein the battery mounting when inserted in place is recessed within the opening of the board.
15. A device as claimed in claim 9, wherein the housing and clip are formed of a one-piece plastic moulding.
16. A device as claimed in claim 9, wherein the battery mounting has a logic means with sprung logic contacts for connecting to corresponding contacts on the device.
17. A device as claimed in claim 9, wherein the logic means is a printed circuit board containing data about the battery cells.
18. A device as claimed in claim 9, wherein the board is a printed circuit board.

19. A device as claimed in claim 9, wherein the device is a storage PCI adapter.
20. A method of inserting a battery mounting in a device, comprising:  
slidably engaging the battery mounting within an opening in the device;  
engaging hook means on the battery mounting with openings in the device;  
engaging a clip with a cammed surface in an aperture of the device;  
the cammed surface urging the battery mounting into the correct mounted position relative to the device;  
locking the battery mounting relative to the device with a locking means applying a force to the clip;  
the step of locking loading power contacts for connecting the battery cells to the device in the engaging direction of the contacts.